FIG 1

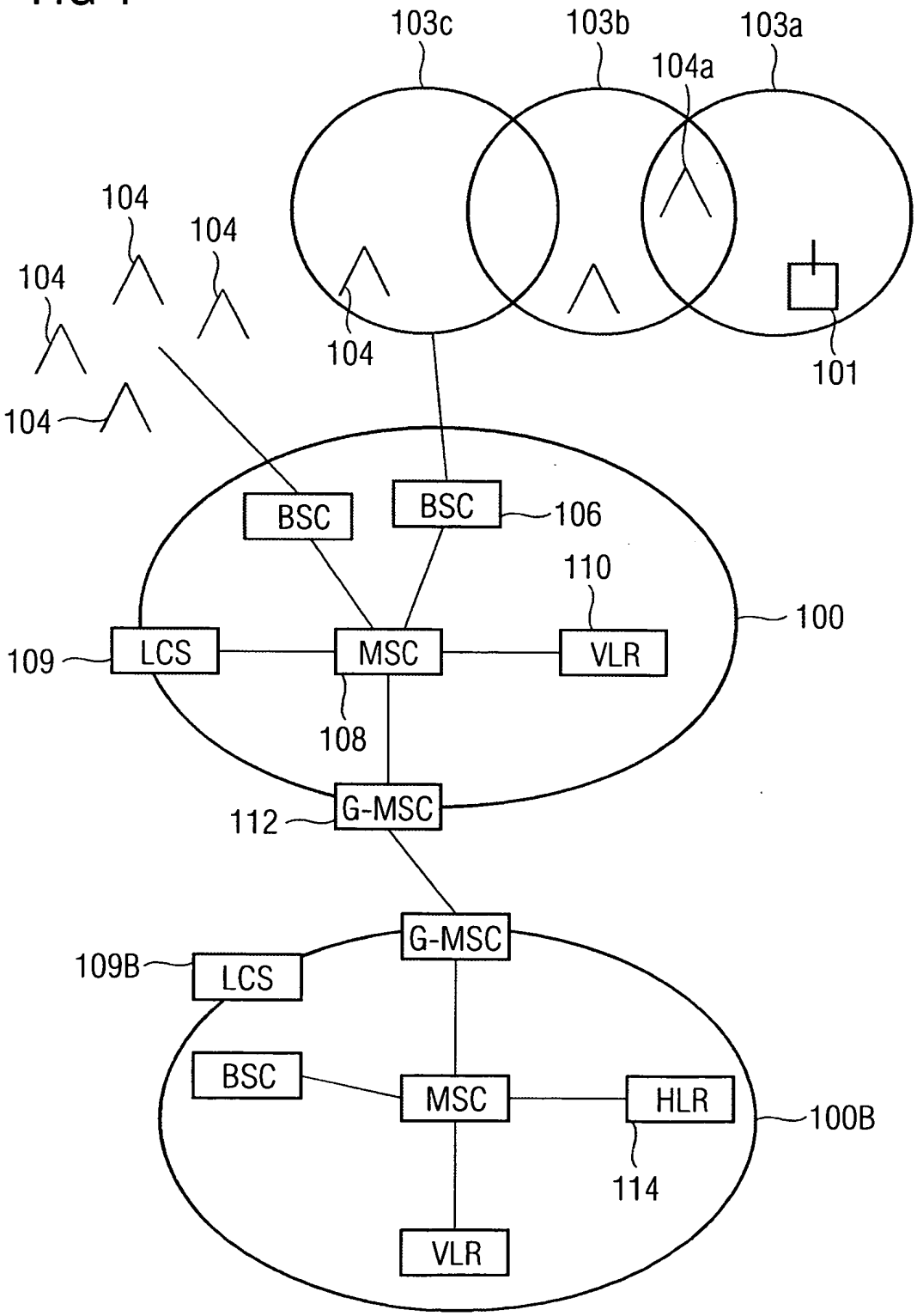
103c
103b
103a
104a
104
104
104
104
104
101
BSC
BSC
106
110
100
109
LCS
MSC
VLR
108
112
G-MSC
G-MSC
109B
LCS
BSC
MSC
HLR
100B
114
VLR

FIG 2

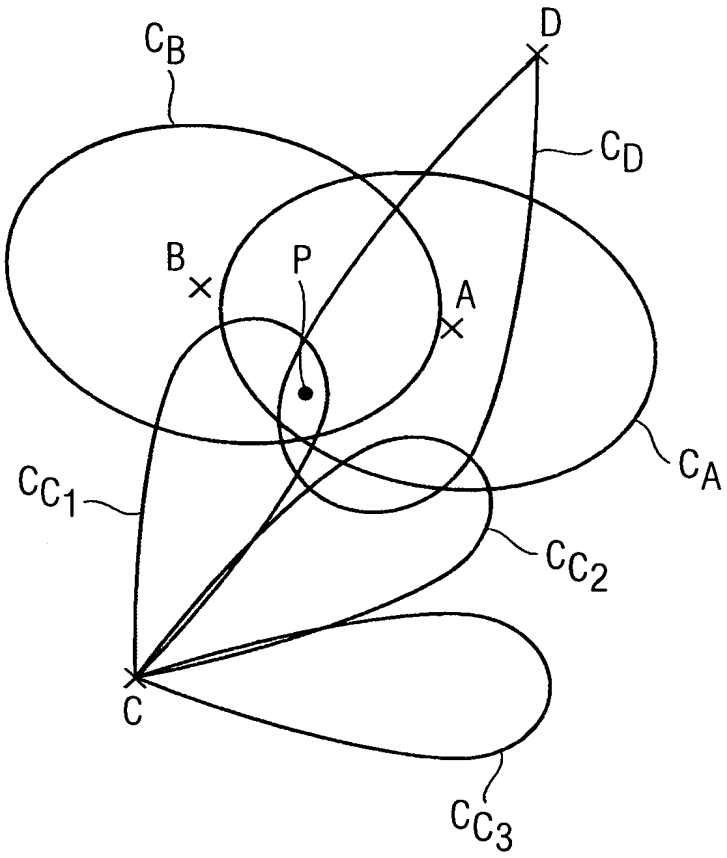

FIG 3

BSIC	BCCH	TOA	OTD
A	a	T_a	---
B	b	T_b	$T_b - T_a$
C	c_1	T_{c_1}	$T_{c_1} - T_a$
C	c_2	T_{c_2}	$T_{c_2} - T_a$
D	d	T_d	$T_d - T_a$

FIG 4

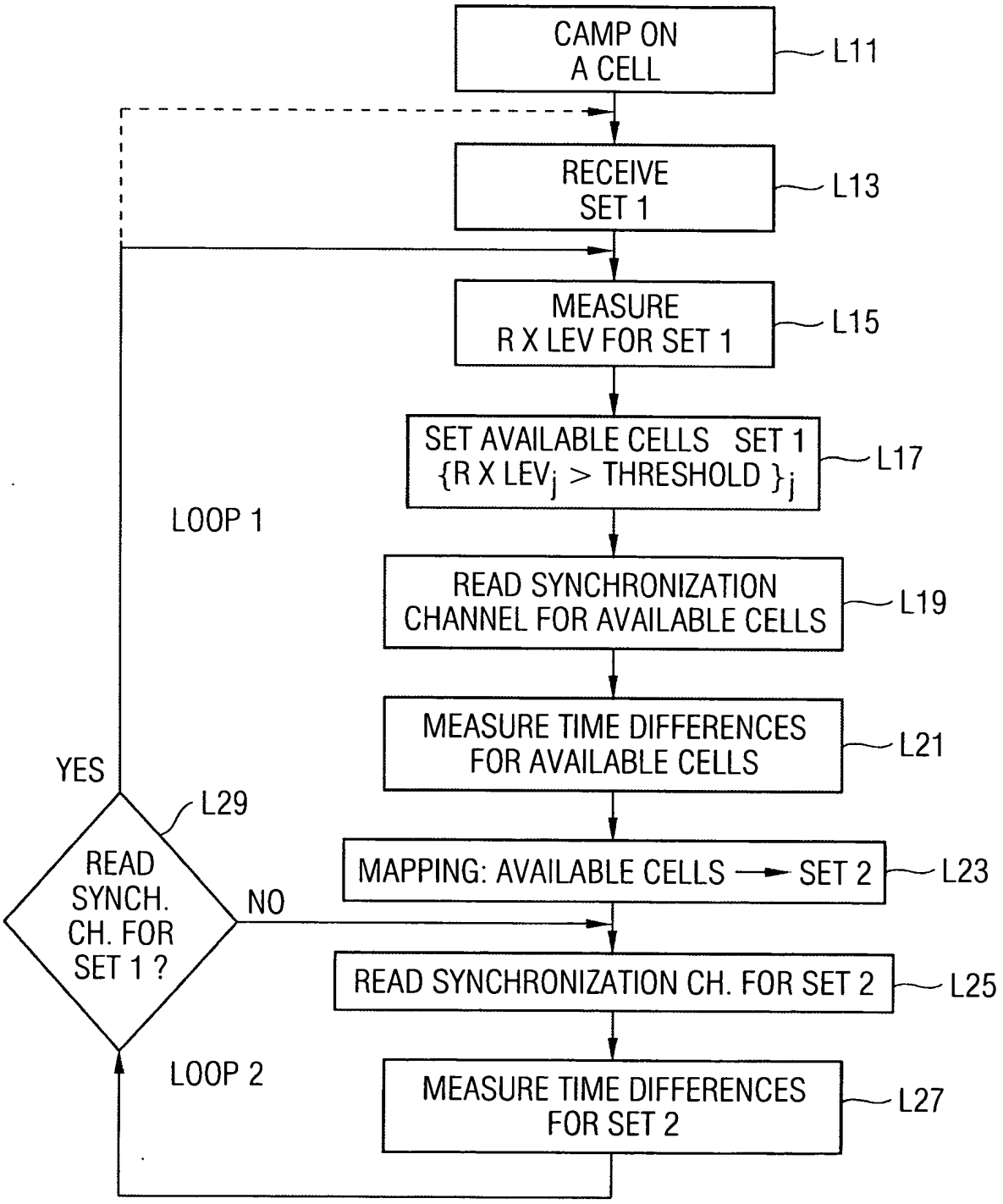
CAMP ON A CELL
L11
RECEIVE SET 1
L13
MEASURE R X LEV FOR SET 1
L15
SET AVAILABLE CELLS SET 1 {R X LEV$_j$ > THRESHOLD }$_j$
L17
LOOP 1
READ SYNCHRONIZATION CHANNEL FOR AVAILABLE CELLS
L19
MEASURE TIME DIFFERENCES FOR AVAILABLE CELLS
L21
YES
L29
READ SYNCH. CH. FOR SET 1 ?
NO
MAPPING: AVAILABLE CELLS → SET 2
L23
READ SYNCHRONIZATION CH. FOR SET 2
L25
LOOP 2
MEASURE TIME DIFFERENCES FOR SET 2
L27

FIG 5

					COMPUTE	
i	$BSIC_i$	$BCCH_i$	TOA_i	OTD_i	Δjk	Δjk
1	A	a	T_a	—		
2	B	b	T_b	$T_b - T_a$	NO	
3	C	c_1	T_{c_1}	$T_{c_1} - T_a$	YES	$\|\| T_{c_1} - T_{c_2} \|\|$
4	C	c_2	T_{c_2}	$T_{c_2} - T_a$	YES	$\|\| T_{c_1} - T_{c_2} \|\|$
5	D	d	T_d	$T_d - T_a$	NO	
⋮						
n						

$$OTD_i \equiv TOA_i - TOA_1 \; ; \; i = 2 \ldots n$$

Note: $$\Delta jk \equiv \|\| OTD_j - OTD_k \|\| \qquad j \neq k$$

$$2 \leq j, i \leq n$$

$$= \|\| TOA_j - TOA_k \|\|$$